

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No. 1875.0350001

First Inventor Burns et al.

Title Balun Transformer for a Satellite Television Tuner

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 26]
(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross Reference to Related Applications
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 21]

5. Oath or Declaration [Total Pages 3]

- a. Newly executed (original or copy)

- b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

- i. **DELETION OF INVENTOR(S)**

Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR §§
1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76.

7. CD-ROM or CD-R in duplicate, large table or Computer Program
(Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(If applicable, all necessary)

- a. Computer Readable Form (CRF)

- b. Specification Sequence Listing on:

- i. CD-ROM or CD-R (2 copies); or

- ii. paper

- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations

13. Preliminary Amendment

14. Two (2) Return Receipt Postcards (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.

17. Other: Authorization Under 37 C.F.R. § 1.136(a)(3)

- Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP)
Prior application information: Examiner _____ of prior application No: _____ / _____
Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code Label

Customer No. 26111

 Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX, P.L.C. PATENT TRADEMARK OFFICE		
	Attorneys at Law		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

NAME (Print/Type)	Jeffrey T. Helvey	Registration No. (Attorney/Agent)	44,757
SIGNATURE		Date	6/28/01

Burden Hour Statement: this form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231. 0350001 nonprovisional transmittal SKGF Rev 3/29/01 mac

FEE TRANSMITTAL

for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$1082.00)

Complete if Known	
Application Number	(to be assigned)
Filing Date	June 28, 2001
First Named Inventor	Burns et al.
Examiner Name	(to be assigned)
Group Art Unit	(to be assigned)
Attorney Docket No.	1875.0350001

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																																																																																			
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number 19-0036 Deposit Account Name Sterne, Kessler, Goldstein & Fox P.L.L.C. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27 <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other* <small>*Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.</small>		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Fee (\$)</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th colspan="2">Fee Description</th> <th>Fee paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td colspan="2">Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td colspan="2">Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td colspan="2">Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td colspan="2">For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td colspan="2">Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td colspan="2">Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td colspan="2">Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td colspan="2">Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td colspan="2">Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td colspan="2">Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td colspan="2">Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td colspan="2">Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td colspan="2">Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td colspan="2">Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td colspan="2">Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td colspan="2">Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td colspan="2">Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td colspan="2">Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td colspan="2">Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td colspan="2">Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td colspan="2">Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>130</td><td>123</td><td>130</td><td colspan="2">Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td colspan="2">Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>481</td><td>40</td><td colspan="2">Recording each patent assignment per property (times number of properties)</td><td>40.00</td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td colspan="2">Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td colspan="2">For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td colspan="2">Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td colspan="2">Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="6">Other fee (specify):</td> <td></td> </tr> <tr> <td colspan="6">Other fee (specify):</td> <td></td> </tr> <tr> <td colspan="6">*Reduced by Basic Filing Fee Paid</td> <td></td> </tr> <tr> <td colspan="6">SUBTOTAL (2) (\$ 332.00)</td> <td>SUBTOTAL (3) (\$ 40.00)</td> </tr> <tr> <td colspan="6">** or number previously paid, if greater; For Reissues, see above</td> <td></td> </tr> </tbody> </table>						Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description		Fee paid	105	130	205	65	Surcharge - late filing fee or oath			127	50	227	25	Surcharge - late provisional filing fee or cover sheet			139	130	139	130	Non-English specification			147	2,520	147	2,520	For filing a request for ex parte reexamination			112	920*	112	920*	Requesting publication of SIR prior to Examiner action			113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action			115	110	215	55	Extension for reply within first month			116	390	216	195	Extension for reply within second month			117	890	217	445	Extension for reply within third month			118	1,390	218	695	Extension for reply within fourth month			128	1,890	228	945	Extension for reply within fifth month			119	310	219	155	Notice of Appeal			120	310	220	155	Filing a brief in support of an appeal			121	270	221	135	Request for oral hearing			138	1,510	138	1,510	Petition to institute a public use proceeding			140	110	240	55	Petition to revive - unavoidable			141	1,240	241	620	Petition to revive - unintentional			142	1,240	242	620	Utility issue fee (or reissue)			143	440	243	220	Design issue fee			144	600	244	300	Plant issue fee			122	130	122	130	Petitions to the Commissioner			123	130	123	130	Petitions related to provisional applications			126	180	126	180	Submission of Information Disclosure Stmt			581	40	481	40	Recording each patent assignment per property (times number of properties)		40.00	146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))			149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))			179	710	279	355	Request for Continued Examination (RCE)			169	900	169	900	Request for expedited examination of a design application			Other fee (specify):							Other fee (specify):							*Reduced by Basic Filing Fee Paid							SUBTOTAL (2) (\$ 332.00)						SUBTOTAL (3) (\$ 40.00)	** or number previously paid, if greater; 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SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Jeffrey T. Helvey	Registration No. (Attorney/Agent)	44,757	Telephone	202-371-2600
Signature			Date	6/28/01	

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0350001 fee transmittal nonprovisional filing

SKGF Rev. 11/13/00 mnac

06/28/01
JC885 U.S. PTO

1C903 U.S. PTO
06/28/01

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

ATTORNEYS AT LAW

1100 NEW YORK AVENUE, N.W. • WASHINGTON, D.C. 20005-3934

PHONE: (202) 371-2600 • FACSIMILE: (202) 371-2540 • www.skgf.com

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DUSTIN T. JOHNSON**
MATTHEW J. DOWD**

*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
**REGISTERED PATENT AGENT
***SENIOR COUNSEL

June 28, 2001

WRITER'S DIRECT NUMBER:
(202) 371-2675
INTERNET ADDRESS:
JHELVEY@SKGF.COM

Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No. (to be assigned); Filed: (herewith)
For: **Balun Transformer for a Satellite Television Tuner**
Inventors: Burns *et al.*
Our Ref: 1875.0350001

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
2. U.S. Utility Patent Application entitled:

Balun Transformer for a Satellite Television Tuner

and naming as inventors:

Lawrence M. BURNS
Carl W. POBANZ

the application consisting of:

Commissioner for Patents

June 28, 2001

Page 2

- a. A specification containing:
 - i. 19 pages of description prior to the claims;
 - ii. 6 pages of claims (34 claims);
 - iii. a one (1) page abstract;
- b. 21 sheets of drawings: (Figures 1A-1B, 2A-2B, 3, 4A-4B, 5A-5B, 6A-6F, 7 and 8-16); and
- c. An Application Data Sheet 37 C.F.R § 1.76;
- 3. An original executed Declaration;
- 4. Authorization to Treat a Reply as Incorporating an Extension of Time Under 37 C.F.R. § 1.136(a)(3) (*in duplicate*);
- 5. Fee Transmittal Form (PTO/SB/17);
- 6. Recordation Form Cover Sheet;
- 7. An original executed Assignment from Lawrence M. Burns to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 8. An original executed Assignment from Carl W. Pobanz to Broadcom Corporation, recordation of which is hereby respectfully requested;
- 9. A copy of the executed Power of Attorney from Assignee;
- 10. A Certificate under 37 C.F.R. § 3.73(b) from Assignee with a copy of the Assignment attached;
- 11. An Information Disclosure Statement (IDS);
- 12. Form PTO-1449 (1 page) with 3 accompanying documents;
- 13. Two (2) return postcards; and

Commissioner for Patents
June 28, 2001
Page 3

14. SKG&F check no. 31639 in the amount of \$1082.00 to cover:
 \$710.00 filing fee for patent application
 \$252.00 fee for claims in excess of twenty (20)
 \$ 80.00 fee for claims in excess of three (3)
 \$ 40.00 assignment recordation fee.

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeff Harvey

Jeffrey T. Helvey
Attorney for Applicants
Registration No. 44,757